

## ABSTRACT OF THE DISCLOSURE

A method for determining the degree of loading of a waterproofing agent within a planar carbon substrate by measuring the transmittance of light through the carbon substrate when in an unloaded state, measuring the transmittance of light through the carbon substrate when in a loaded state, and comparing the difference in transmittance from the unloaded state to the loaded state and therefrom determining the degree of loading is disclosed. An apparatus for measuring the degree of loading of a waterproofing agent within a planar carbon substrate is also disclosed.

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